

Calibration Report: Pyrometer (Infrared Radiation Thermometer) S/N: 1414

Bryan Fabbri
Science Systems and Applications, Inc.
Hampton, Virginia

Summary

Calibration date: 2020 March 13

A calibration of Pyrometer data (also known as an Infrared Radiation Thermometer or IRT), has been completed. The calibration was performed 2020 March 13 by Wintronics, Inc. located in Millington, NJ.

Instrument Specifications:

Manufacturer: Heitronics

Model: KT19.85

Serial Number: 1414

Lens Type: K6

The instrument was “out of tolerance” as received, but only at the 50C datapoint. At 50C with an older lens, it was -1.4C low. After replacing the older lens with a K6 lens, and calibrated, it was shipped “in tolerance”. No post-processing adjustments are needed.

The following pages provide more detail into the calibration process and results.

Application: We use Campbell Scientific (CS) datalogger hardware and Loggernet CS software.

Wintronics, Inc.
50 Division Ave, Suite 1
Millington, NJ 07946
Phone: (908) 647-0144 Fax: (908) 647-8379

Certificate of Calibration

Certificate No.: J0142210

Manufacturer: **Heitronics** Description: **Infrared Thermometer**
Model No: **KT19.85** Serial No: **1414**

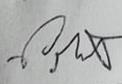
Customer: **SSAI** Customer PO:
1 Enterprise Pkwy, Suite 200 Customer Asset No:
Hampton, VA 23666
Temperature (C): **23** Technician: **PLW**
Humidity (%): **40** Date Cal: **13-Mar-2020**
Procedure: **W60985, Rev 2** Date Due: **13-Mar-2021**

The manufacturer's specifications of the above instrument have been confirmed by comparison to standards which are regularly calibrated using accepted values of natural physical constants, ratio type self-calibrating techniques, comparison to standards which are traceable to NIST or other NMI, or compared to consensus standards. Wintronics' Quality System is accredited to ISO/IEC 17025:2017.

As received condition: **Out of Tolerance**
As shipped condition: **In Tolerance**
Type of Calibration: **Normal**

Calibration Standards

Manufacturer	Model	Description	Asset #	Calibration Date	Date Due	Cert. No.
Heitronics	TRT3.82	Transfer Infrared Pyrometer	W185	28-May-2019	31-May-2020	J0138085


Peter Winter
President
Certified By

Issue Date: 16-Mar-2020

